



U.S. Department of Energy  
Office of Civilian Radioactive Waste Management



# Office of Civilian Radioactive Waste Management Update

Presented to:  
**Transportation External Coordination Working Group**

Presented by:  
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**Director, Office of Logistics Management**

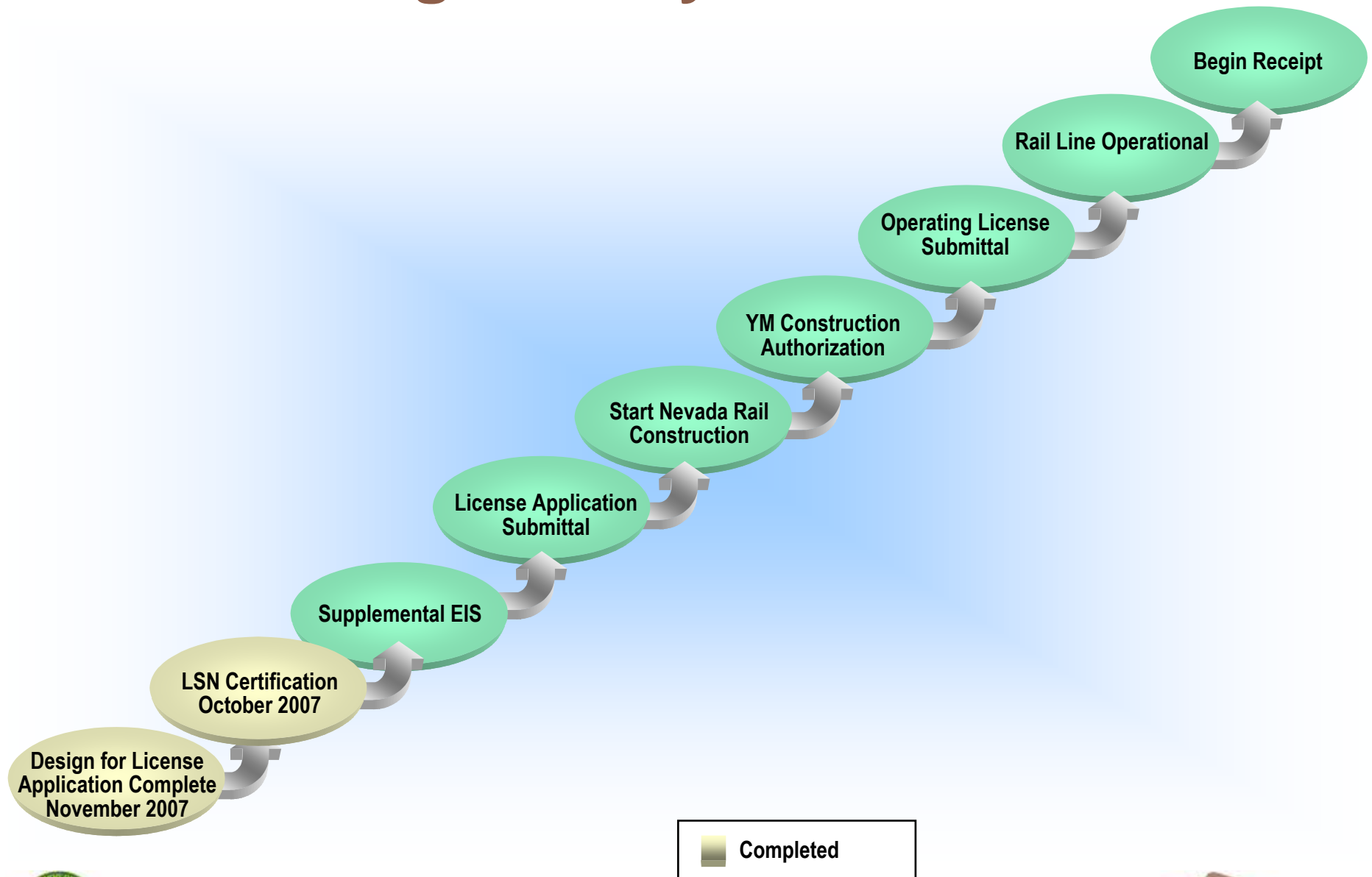
**February 6, 2008**  
**San Antonio, TX**

# Introduction

- **Program key milestones**
- **Status of License Application**
- **FY 2008 Office of Civilian Radioactive Waste Management (OCRWM) Program budget**
- **Status of transportation projects**

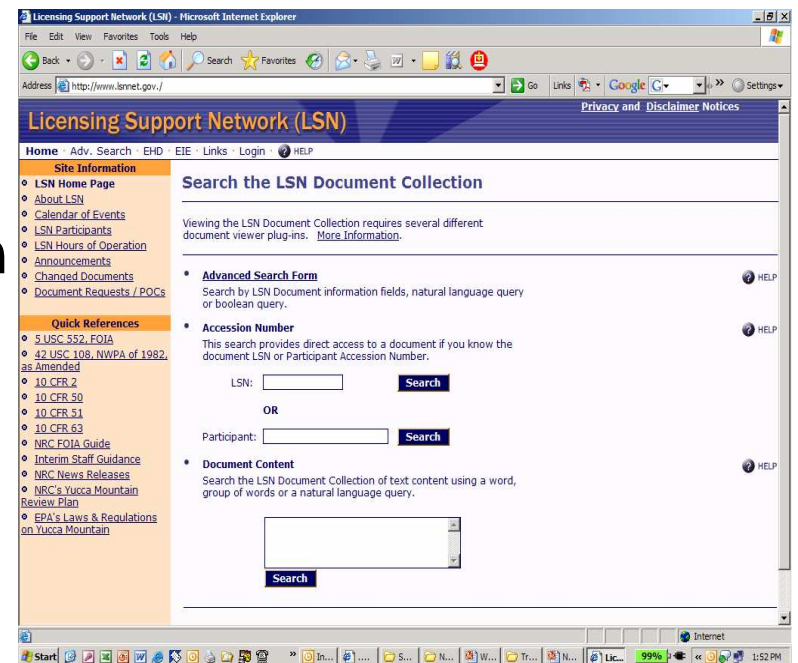


# Program Key Milestones



# Licensing Support Network (LSN)

- LSN is a web-based information system established by the Nuclear Regulatory Commission (NRC) that provides public access to documentary material relevant to the licensing proceeding for Yucca Mountain
- The Department of Energy (DOE) has made over 3.5 million documents, estimated to exceed 30 million pages, electronically available on the LSN
- DOE certified its LSN collection on October 19, 2007
- NRC's Pre-license Application Presiding Officer Board ruled to uphold DOE's certification on December 12, 2007
- LSN website: <http://www.lsnnet.gov>



# License Application Status

- Issuance of the License Application remains the key strategic objective for the Program
  - Impact of the \$108 million FY 08 appropriations reductions is currently being evaluated
- Key milestones for License Application submittal





# FY 2008 Budget Appropriations Summary

(dollars in millions)

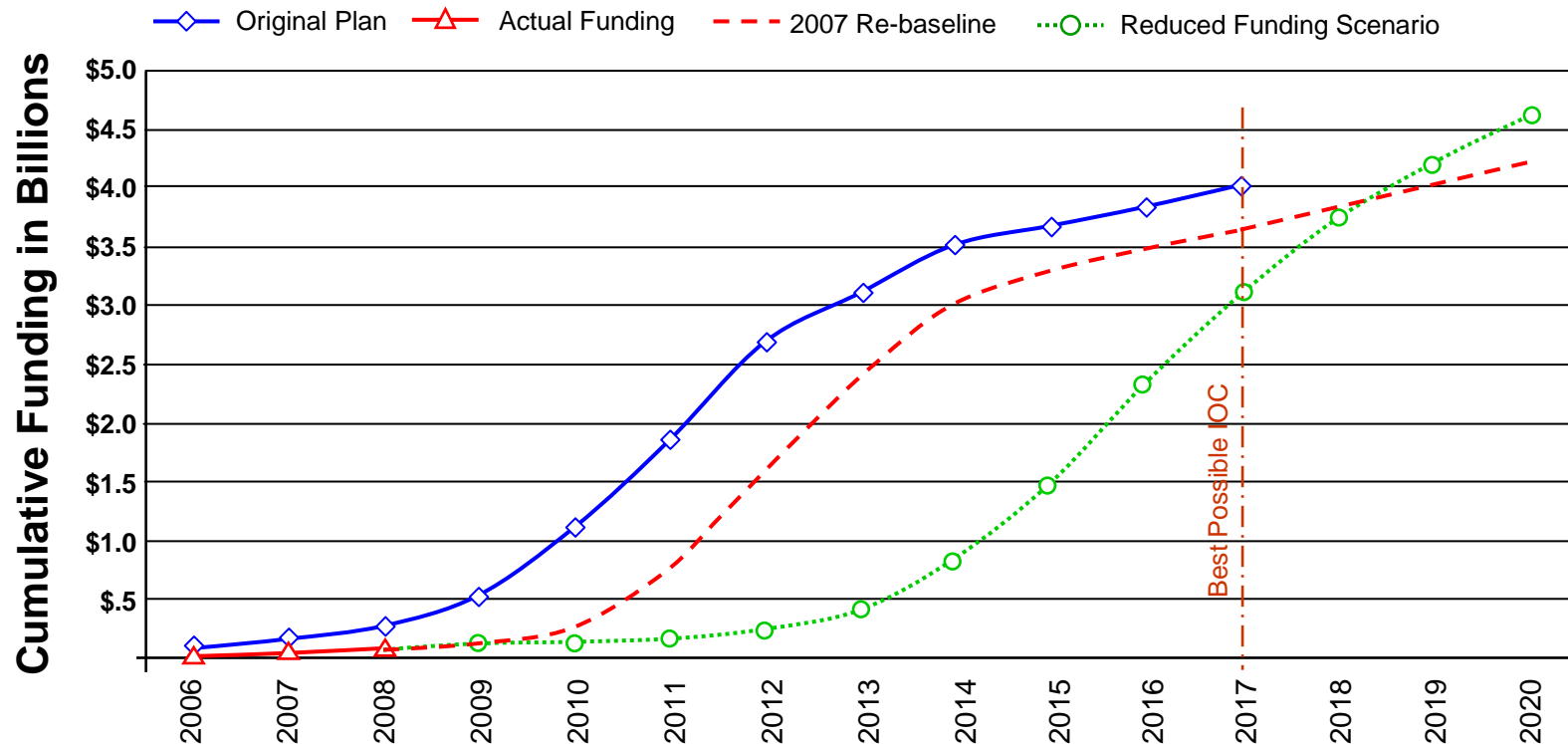


	<u>FY 2007 Request</u>	<u>FY 2007 CR</u>	<u>FY 2008 Request</u>	<u>FY 2008 Approp.</u>
Yucca Mountain	\$ 355.4	\$ -	\$378.4	TBD
Transportation	67.7	32.0	15.0	15.9
Prog Mgmt & Integration/Prog Direction	121.4	0.0	101.1	TBD
<b>TOTAL PROGRAM</b>	<b>544.5</b>	<b>445.5</b>	<b>494.5</b>	<b>386.4</b>
Nuclear Waste Fund	156.4	99.0	202.5	TBD
Defense Nuclear Waste Disposal	388.1	346.5	292.0	TBD





# Transportation Funding & Schedule

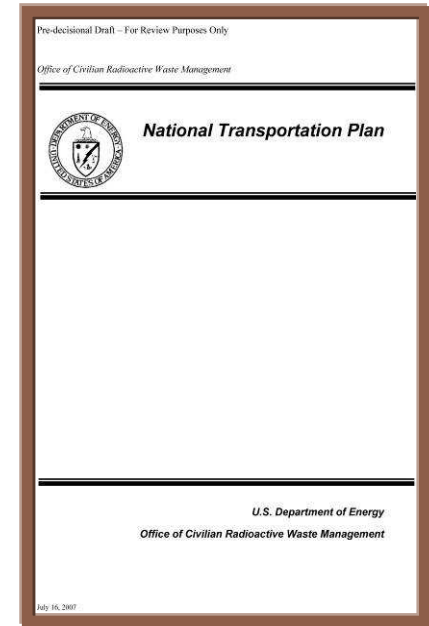


\$M Requested	\$85.4	\$79.3	\$104.3	\$273.8	\$574.4	\$742.5	\$819.5	\$422.4	\$407.4	\$158.6	\$175.1	\$185.4			
\$M Actual	\$43.0	\$32.0	\$15.9												
\$M Re-Baselined				\$50.0	\$120.0	\$742.5	\$819.5	\$822.4	\$630.5	\$275.1	\$175.1	\$185.4	\$179.5	\$182.1	\$178.4
\$M Reduced Scenario				\$20.0	\$20.0	\$20.0	\$89.0	\$171.0	\$409.0	\$651.0	\$848.0	\$756.0	\$640.0	\$478.0	\$397.0



# Development of the NTP

- **Developing the NTP is one of four strategic Program objectives**
- **Elements of the plan include**
  - Requirements
  - Infrastructure development
  - Stakeholder involvement
  - Operations planning
- **Stakeholder input has been incorporated**
  - Impacts of FY 08 funding and future profiles are being incorporated
  - NTP will be published for public comment when integrated planning baseline decisions are finalized





# Nevada Rail Status

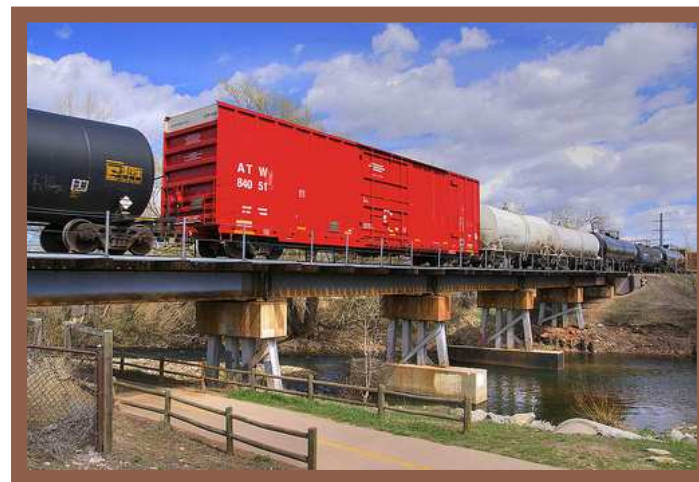
- **October 2007 - Issued Draft Nevada Rail Corridor Supplemental Environmental Impact Statement (SEIS) and Draft Rail Alignment EIS for public comment**
  - **Public comment period closed on January 10, 2008**
  - **DOE held eight public hearings**
  - **Hearings were held in Nevada, California, and Washington, DC**
  - **There were over 500 attendees**
  - **Over 1000 comment documents were received from the public and stakeholders**



# Nevada Rail Status

(continued)

- **June 2008 - Issue Final Nevada Rail Corridor SEIS and Rail Alignment EIS**
  - **Comments provided on the drafts will be addressed in the Final Nevada Rail Corridor SEIS and Rail Alignment EIS**
- **OCRWM plans to publish a record of decision selecting the Nevada Rail Alignment no earlier than 30 days after publication of final EIS**



## Section 180(c) Policy

- Revised proposed policy was issued in the July 23, 2007 *Federal Register*
  - Comment period closed on January 23, 2008
  - OLM received over 50 comments from states, state regional groups, tribal governments, affected units of government, and citizens
- DOE will analyze the comments and factor them into the development of a pilot program
- DOE will issue another revised proposed policy that incorporates lessons learned from the pilot and considers the comments received on the July 23, 2007 revised proposed policy *Federal Register* Notice (FRN)
- In 2008, DOE plans to publish a supplement to the *FRN* addressing a process to allocate available funds to tribes



# Operations Planning

- **Current operations planning efforts include:**
  - **Preparation of Transportation Systems Operations Plan**
  - **Assessing utility near-site/short line railroad infrastructure in concert with the Federal Railroad Administration**
  - **Performing regulatory analysis and requirements development**



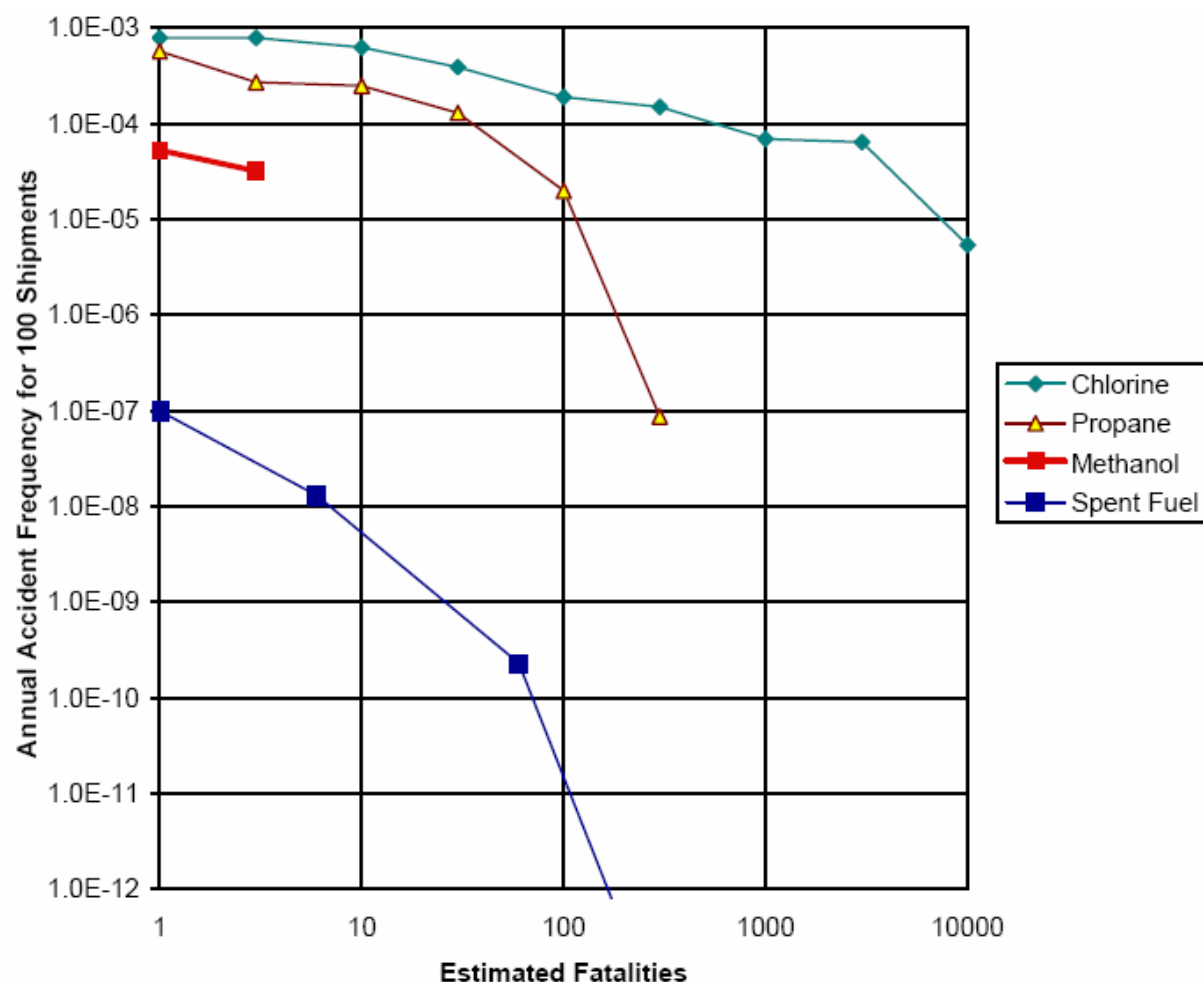
# Perceptions of Transportation Risk

- **The National Academies' Committee on Transportation of Radioactive Waste found**
  - No fundamental technical barriers to the safe transport of spent fuel in the U.S.
  - U.S. regulations are adequate to ensure package containment effectiveness over a wide range of transport conditions
  - The accident risk associated with spent fuel shipments is more than three orders of magnitude less than for some other common hazardous materials
- **So what causes perceptions that spent fuel transportation has a comparatively higher risk?**



# Comparative Risk of Hazardous Materials Shipments

- Over 40 years of SNF shipments have been made without a release of contents that has been harmful to the public or the environment



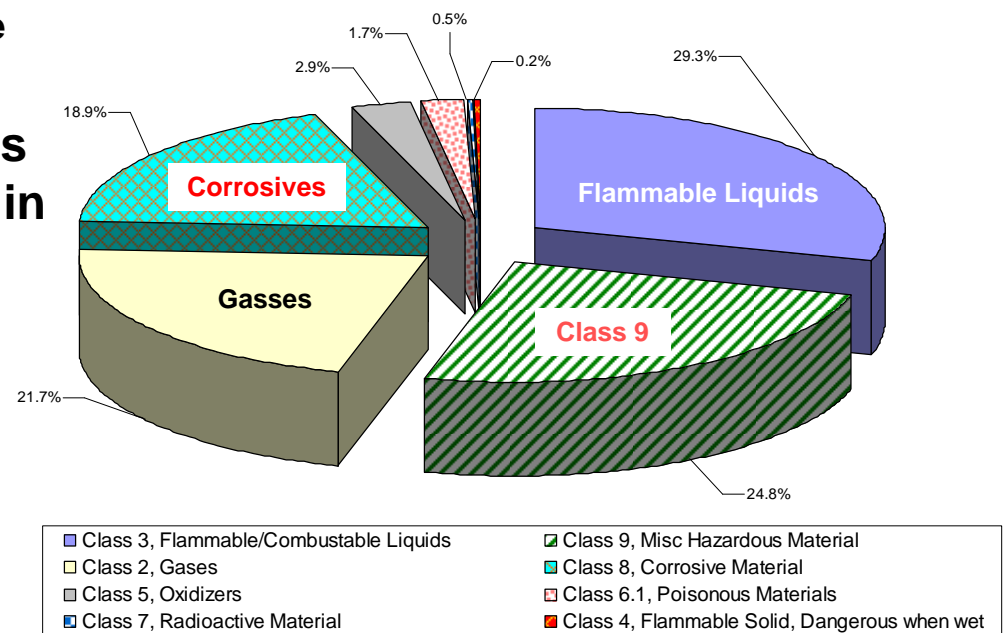
Source: National Academies' *Going the Distance*





# Hazmat Transport by Commodity

- **Most transportation risk comes from potential accidents**
  - Number of accidents is related to the number of shipments
- **125 billion ton miles of hazardous material was shipped in the U.S. in 2005**
  - Less than .7% was spent fuel class 7 (radioactive material)
- **Shipment data contributed to the comparative risk assessment provided by the National Academies**





# Summary

- **The \$108 million reduction in FY 2008 funding has impacted employment levels and work scheduled for this year**
- **OCRWM is still revising its integrated baseline to quantify the impacts**
- **Overall schedules will be delayed as a result of funding reductions in FY 07 and FY 08, but transportation planning is still a priority**
  - **A collaborative process with stakeholders will be integral to implementing a transportation system that is safe and secure and merits public confidence**
- **Collaboration with key stakeholders is still the cornerstone of transportation system development**

